**FIG. 2**

10062697.022200

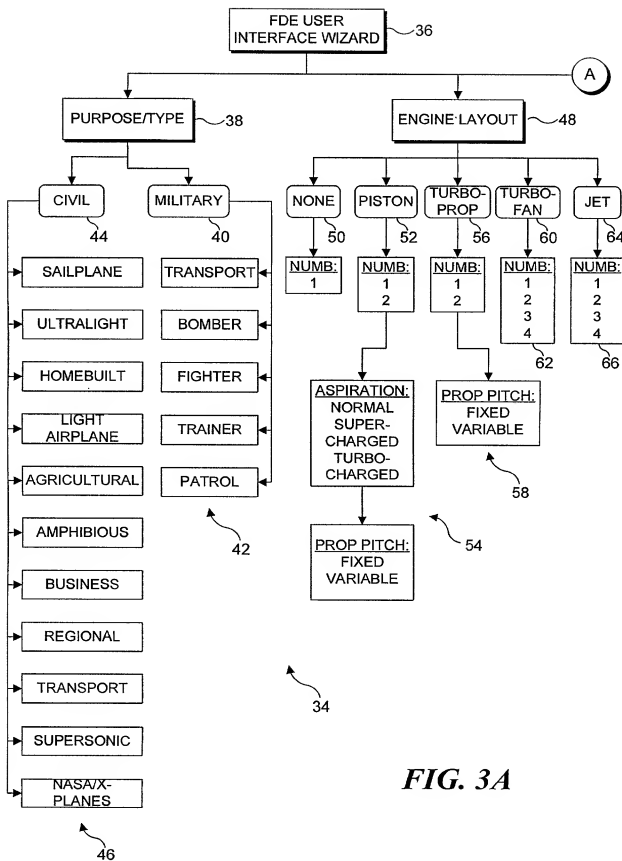


FIG. 3A

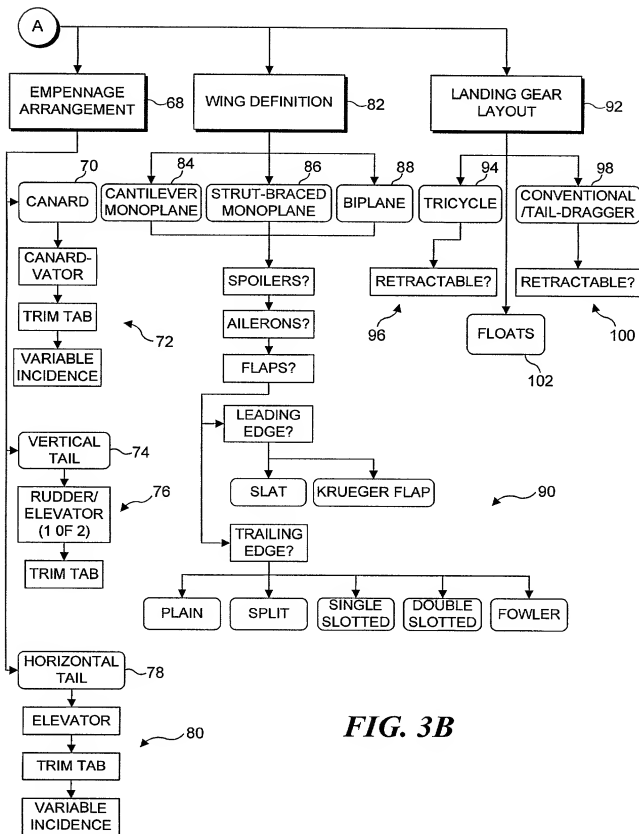


FIG. 3B

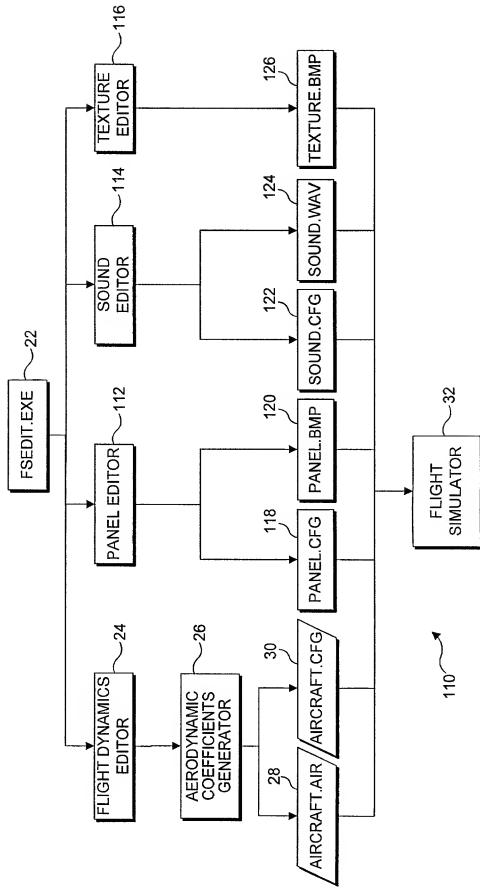


FIG. 4

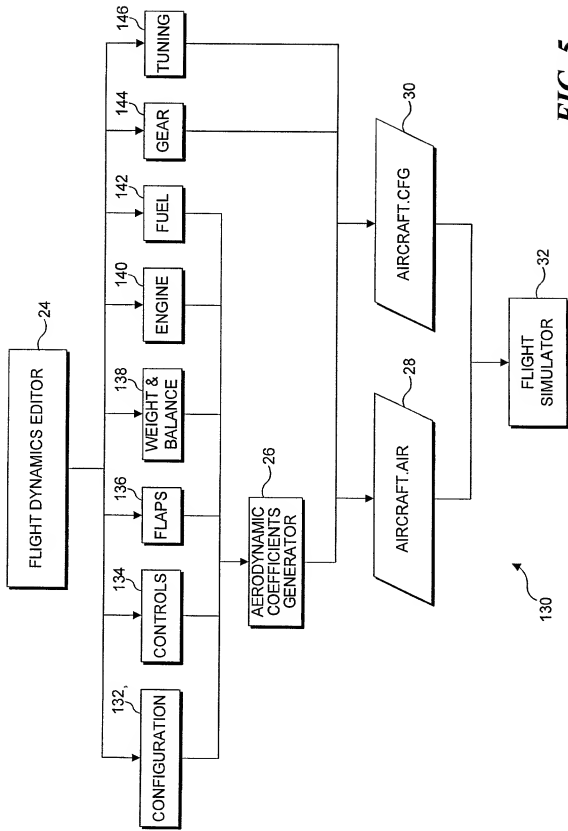


FIG. 5

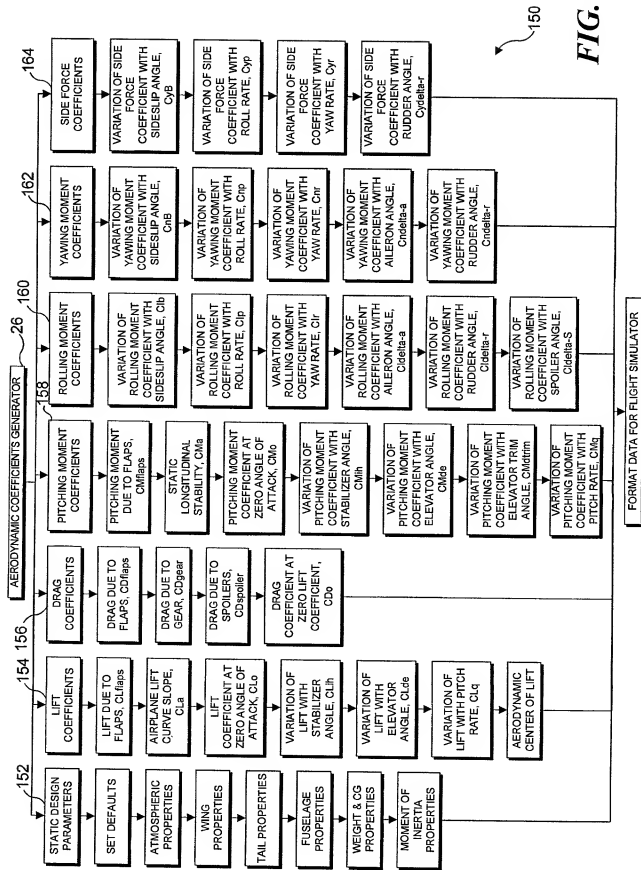


FIG. 6

File Edit View Help		Configuration		Controls/Flaps		Weight and Balance		Piston Engine		Propeller/Fuel/Gear		Tuning		DEBUG	
<div style="display: flex; justify-content: space-between;"> <div> <p>Flight Simulator</p> <p>Aircraft</p> <p>Cessna Skylane 1825 #0</p> <p>Panel</p> <p>Sound</p> <p>Texture</p> <p>Flight Dynamics</p> </div> <div> <p>306</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div> <p>Wing Geometry</p> <p>Wing Area 176 Sq. Feet</p> <p>Wing Span 36 Feet</p> <p>Root Chord 19 Feet</p> <p>LE Sweep 0 Degrees</p> <p>Dihedral 1.7 Degrees</p> <p>Incidence 1.5 Degrees</p> <p>Twist -3 Degrees</p> <p>Oswald Efficiency Factor 0.7</p> <p><input type="checkbox"/> Winglets?</p> </div> <div> <p>Reference Datum</p> <p>Longitudinal Position from Visual Model Origin 3.6</p> <p>Lateral Position from Visual Model Origin 0</p> <p>Vertical Position from Visual Model Origin 0</p> <p>Feet, Positive Forward</p> <p>Feet, Positive Starboard</p> <p>Feet, Positive Up</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div> <p>Horizontal Tail/Canard</p> <p>Area 39 Sq. Feet</p> <p>Span 11.7 Feet</p> <p>Sweep 10 Degrees</p> <p>Incidence 3.2 Degrees</p> </div> <div> <p>Vertical Tail</p> <p>Area 18 Sq. Feet</p> <p>Span 4.8 Feet</p> <p>Sweep 40 Degrees</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div> <p>Wing Apex Longitudinal Position, From Reference Datum</p> <p>-2.4 Feet, Positive Forward</p> </div> <div> <p>Wing Apex Vertical Position, From Reference Datum</p> <p>0 Feet, Positive Up</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div> <p>HTail/Canard Apex Longitudinal Position, From Reference Datum</p> <p>-18.3 Feet, Positive Forward</p> </div> <div> <p>HTail/Canard Apex Vertical Position, From Reference Datum</p> <p>0 Feet, Positive Up</p> </div> </div>															
<div style="display: flex; justify-content: space-between;"> <div> <p>VTail Apex Longitudinal Position, From Reference Datum</p> <p>-16.2 Feet, Positive Forward</p> </div> <div> <p>VTail Apex Vertical Position, From Reference Datum</p> <p>1.5 Feet, Positive Up</p> </div> </div>															

300

FIG. 7

FS E:\sBrtn\Drop\ISD - Flight Simulator 2002 Aircraft Editor

File Edit View Help

Flight Simulator

Aircraft

Cessna Skylane 182S #0

Panel

Sound

Texture

Flight Dynamics

306

302

304

Configuration Controls Flaps Weight and Balance Piston Engine Propeller Fuel Gear Tuning DEBUG

Elevator

Area 16.6 Sq. Feet

Up Deflection 28 Degrees

Down Deflection 21 Degrees

Trim Deflection 19.5 Degrees

322

Aileron

Area 18.3 Sq. Feet

Up Deflection 20 Degrees

Down Deflection 15 Degrees

324

Rudder

Area 6.7 Sq. Feet

Deflection Limit 19.5 Degrees

326

Spoiler

Deflection Limit 0 Degrees

328

☐ Spoilers Available?

FIG. 8

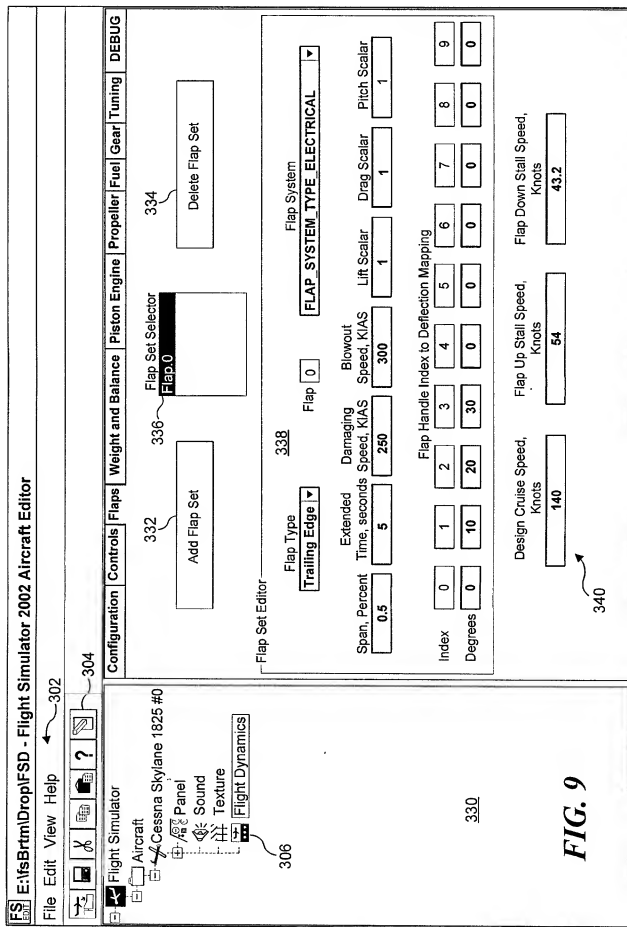


FIG. 9

FS E:\fsBrm\DropFSD - Flight Simulator 2002 Aircraft Editor

File Edit View Help ← 302

304

Flight Simulator

Aircraft

Cessna Skylane 1825 #0

AG Panel

Sound

Texture

Flight Dynamics

306

Configuration Controls Flaps Weight and Balance Piston Engine Propeller Fuel Gear Tuning DEBUB

Gross Weight Maximum Design Gross Weight **3110** Pounds **352**

Empty Weight

Empty Weight **1810** Pounds **354**

Empty Weight Longitudinal Position, from Reference Datum **-3**

Empty Weight Lateral Position, from Reference Datum **0**

Empty Weight Vertical Position, from Reference Datum **0**

Feet, Positive Forward Feet, Positive Starboard Feet, Positive Up

Payload Weight Editor

Station Selector

station_load 0 **A**

station_load 1 **A**

station_load 2 **V**

station_load 3 **V**

Add Station Load

Delete Station Load

Index Weight **170**

Position, Feet from Reference Datum

Longitudinal **-3**

Lateral **-1.5**

Vertical **0**

Moments of Inertia

Empty Weight Pitch MOI **1400** Slugs - Sq. Ft. **358** Suggested Values* 1912

Empty Weight Roll MOI **1137** Slugs - Sq. Ft. **1178**

Empty Weight Yaw MOI **2360** Slugs - Sq. Ft. **2458**

Empty Weight Coupled MOI **0** Slugs - Sq. Ft. **0**

*Note: The suggested values can vary significantly from those actually used.

FIG. 10

FS E:\fsBtm\Drop\FSD - Flight Simulator 2002 Aircraft Editor

File Edit View Help

Flight Simulator

Aircraft

Cessna Skylane 182S #0

Panel

Sound

Texture

Flight Dynamics

306

304

302

Configuration Controls Flaps Weight and Balance Piston Engine Propeller Fuel Gear Tuning DEBUG

Piston Engine Properties

Cylinder Displacement 303 Cubic Inches per Cylinder

Compression Ratio 18.5

Number of Cylinders 6

Max Rated RPM 2400 RPM

Max Rated Horsepower 230 HP

Fuel Flow Scalar 1

Cooling Type COOLING_TYPE_AIR

Carburetor Type FUEL_INJECTED

Turbocharger Properties

Turbocharged? ☐

Max Design Manifold Pressure 364

Min Design Manifold Pressure 0

Critical Altitude 0

Emergency Boost Manifold Pressure 0

Emergency Boost Gain 0

Suggested Value 0

Emergency Boost Type EMERGENCY_BOOST_NONE

Engine Position 366

Position Relative to Reference Datum

Longitudinal, Positive Forward 2.4

Lateral, Positive Starboard 0

Vertical, Positive Up 0

Number of Engines 1

Engine Engine #1

Engine #2 0

Engine #3 0

Engine #4 0

360

FIG. 11

FS E:\fsBtrm\Drop\FSD - Flight Simulator 2002 Aircraft Editor

File Edit View Help

← 302



Flight Simulator



Aircraft

Cessna Skylane 1825 #0



Panel



Sound



Texture



Flight Dynamics

306

304

Configuration

Controls

Flaps

Weight and Balance

Piston Engine

Propeller

Fuel

Gear

Tuning

DEBUG

Propeller Properties

Propeller Diameter 6.8 Feet

Number of Blades 2 372

Propeller MOI 5.7 Slugs - Sq. Ft.

Suggested Prop MOI 6 Slugs - Sq. Ft.

Max Pitch Angle 31.8 Degrees

Min Pitch Angle 17 Degrees

Fixed Pitch Angle 20 Degrees

Min Governed RPM 1400 Degrees

Gear Reduction Ratio 1 Degrees

Propeller Type

CONSTANT SPEED PROP

☐ Prop Sync Available?

☐ Prop Deice Available?

☐ Prop Reverse Available?

374

Feathering Properties

☐ Prop Feathering Available?

☐ Prop Auto Feathering Available?

Feathering Pitch Angle 0 Degrees

Min RPM for Feathering 0 RPM

370

FIG. 12

FS E:\msBrtrl\DropFSD - Flight Simulator 2002 Aircraft Editor

File Edit View Help

304

302

Flight Simulator

Aircraft

Cessna Skylane 1825 #0

Panel

Sound

Texture

Flight Dynamics

306

Configuration Controls Flaps Weight and Balance Turboprop Eng Propeller Fuel Gear Tuning DEBUG

Turboprop Properties

382

Maximum Torque 3270 Ft - Lbs

Turbine Properties

384

Static Thrust 158 Pounds

Inlet Area 1 Sq. Ft

Rated RPM 29920 RPM

Fuel Flow Scaler 1

Engine Position

386

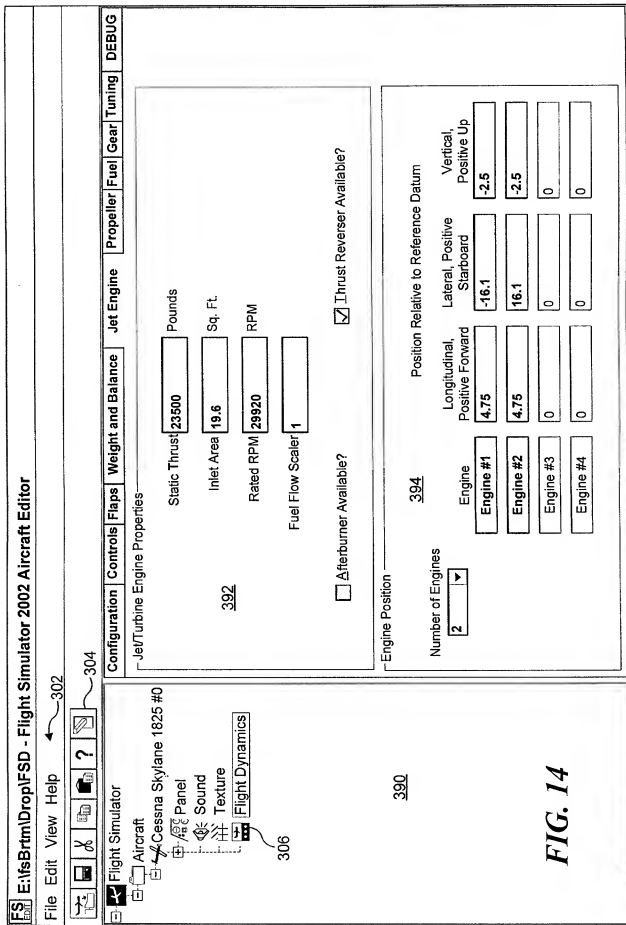
Position Relative to Reference Datum

Number of Engines 2

Engine	Longitudinal, Positive Forward	Lateral, Positive Starboard	Vertical, Positive Up
Engine #1	-8.3	-4.8	0.5
Engine #2	-8.3	4.8	0.5
Engine #3	0	0	0
Engine #4	0	0	0

380

FIG. 13



FS E:\sBrtn\Drop\FSD - Flight Simulator 2002 Aircraft Editor

File Edit View Help

302

304

Flight Simulator

Aircraft

Cessna Skylane 1825 #0

Panel

Sound

Texture

Flight Dynamics

306

Configuration Controls Flaps Weight and Balance Piston Engine Propeller Fuel Gear Tuning DEBUG

Fuel System

402

Position Relative to Reference Datum

	Longitudinal, Positive Forward	Lateral, Positive Starboard	Vertical, Positive Up	Total Capacity, Gallons	Unusable Capacity, Gallons
Center #1	0	0	0	0	0
Center #2	0	0	0	0	0
Center #3	0	0	0	0	0
Left Main	-3.85	-2.1	2.5	46	0
Right Main	-3.85	-2.1	2.5	46	0
Left Aux	0	0	0	0	0
Right Aux	0	0	0	0	0
Left Tip	0	0	0	0	0
Right Tip	0	0	0	0	0
External #1	0	0	0	0	0
External #2	0	0	0	0	0

400

FIG. 15

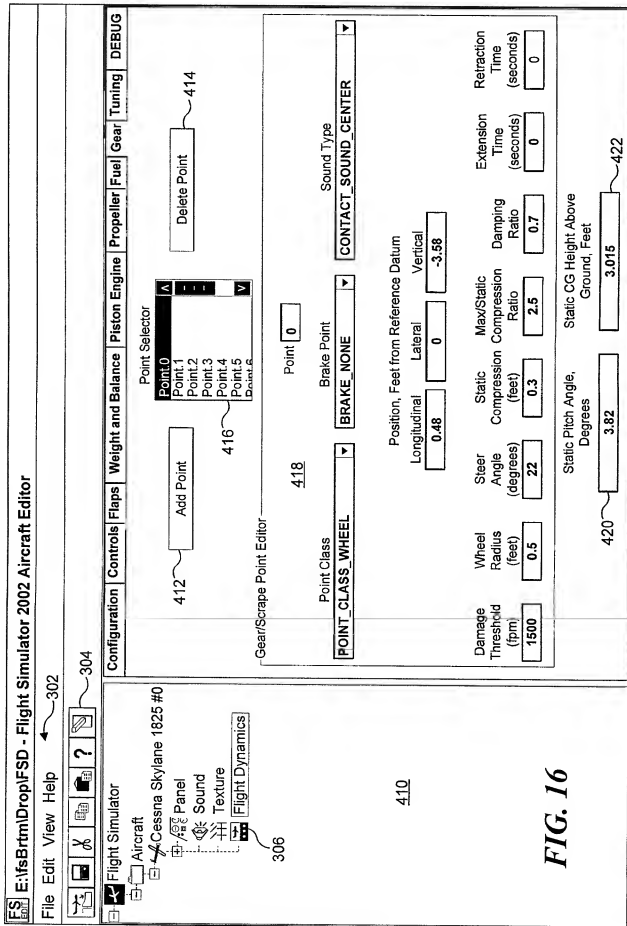


FIG. 17